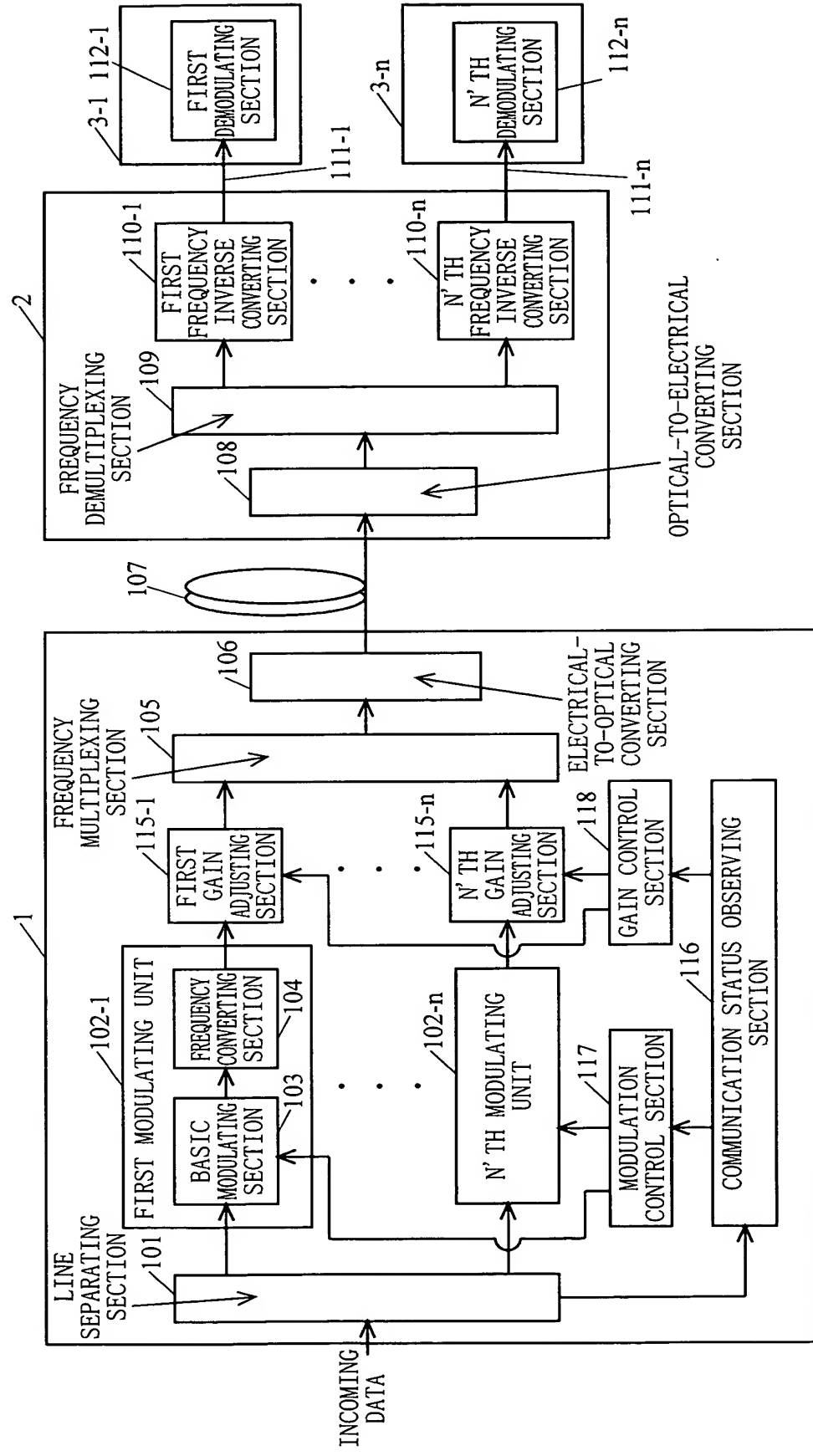
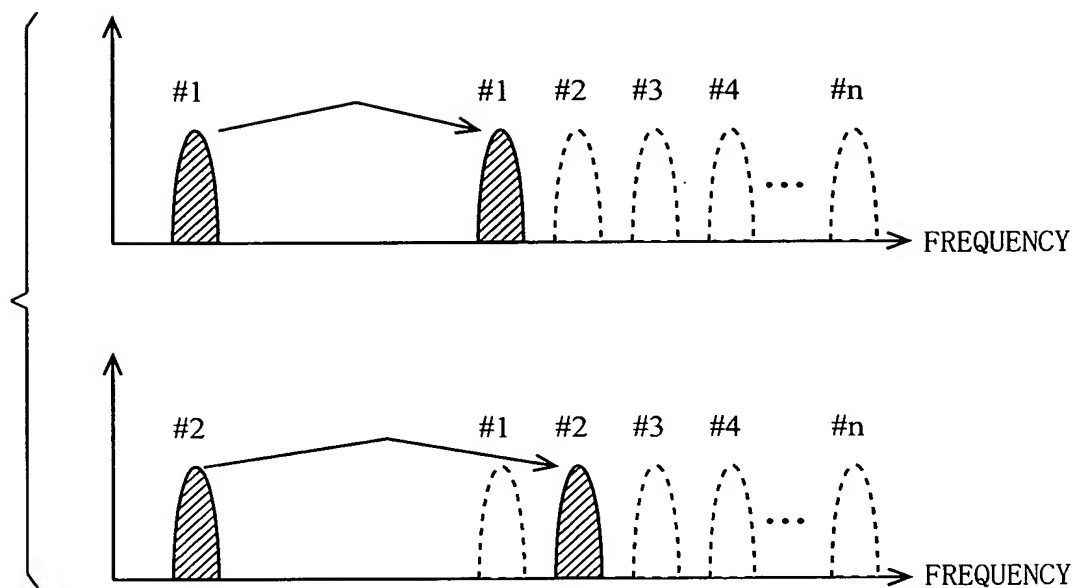


FIG. 1



F I G . 2 A



F I G . 2 B

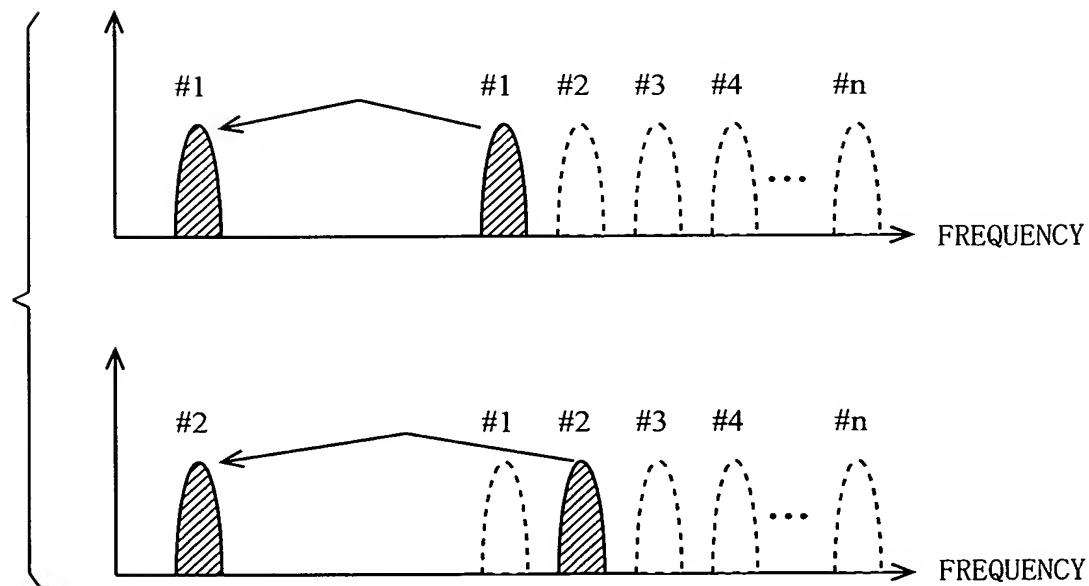
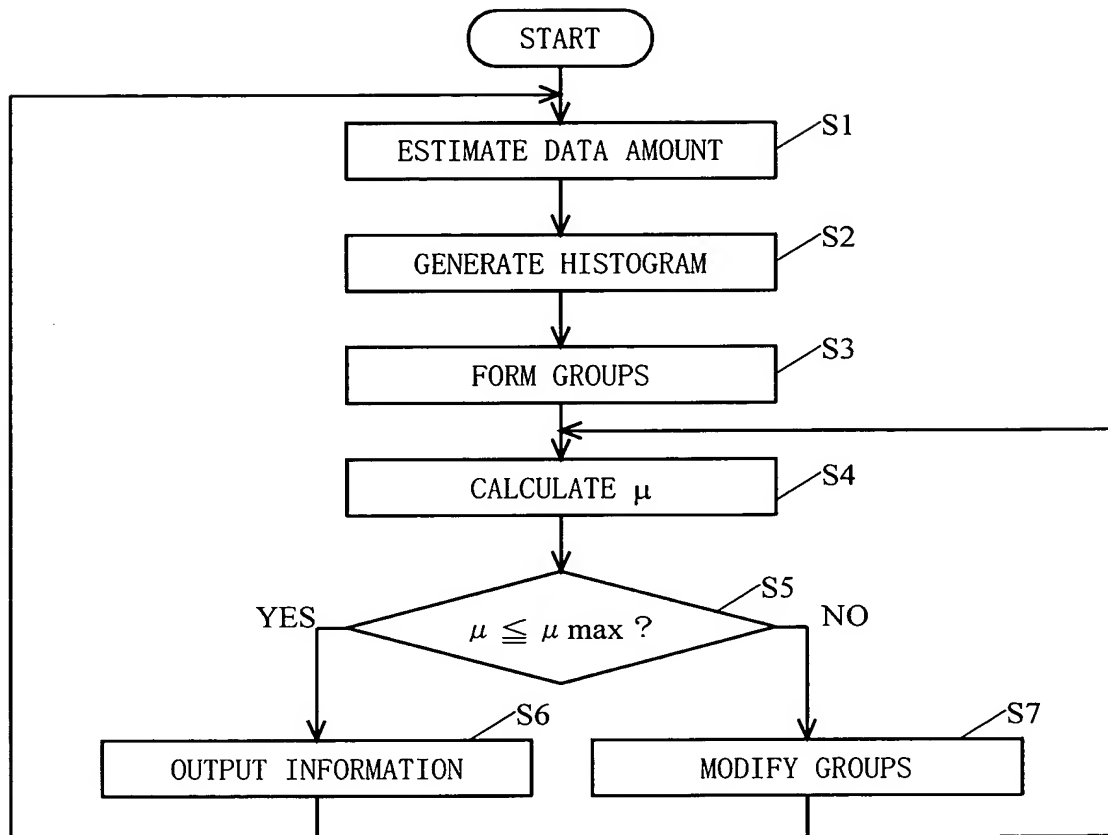
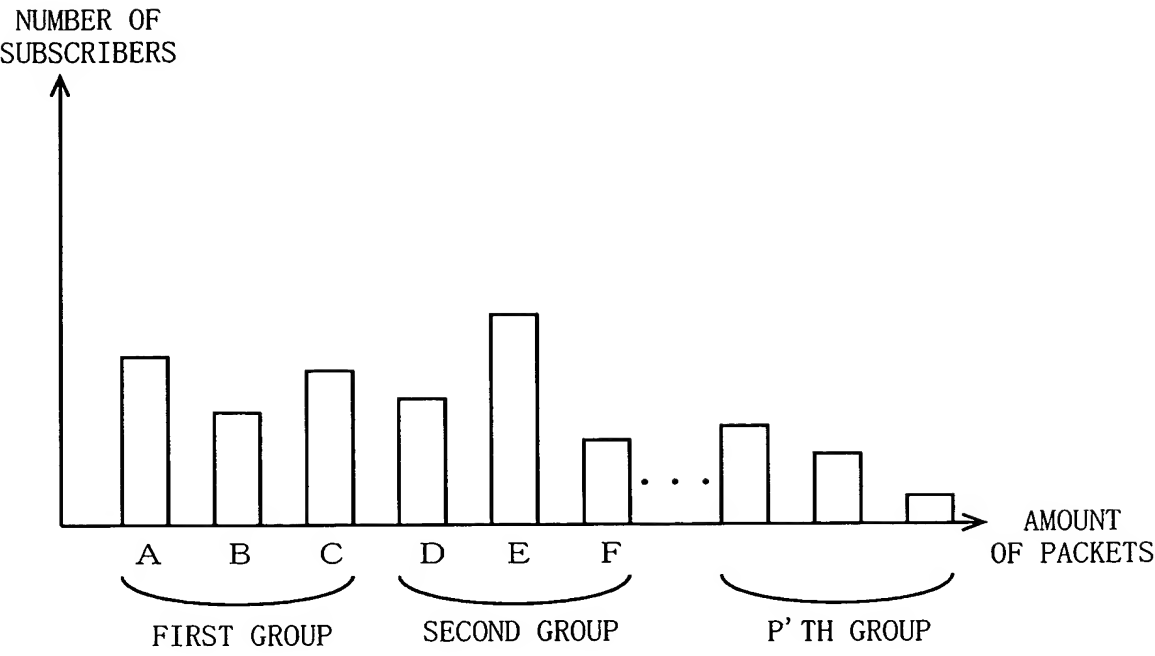


FIG. 3



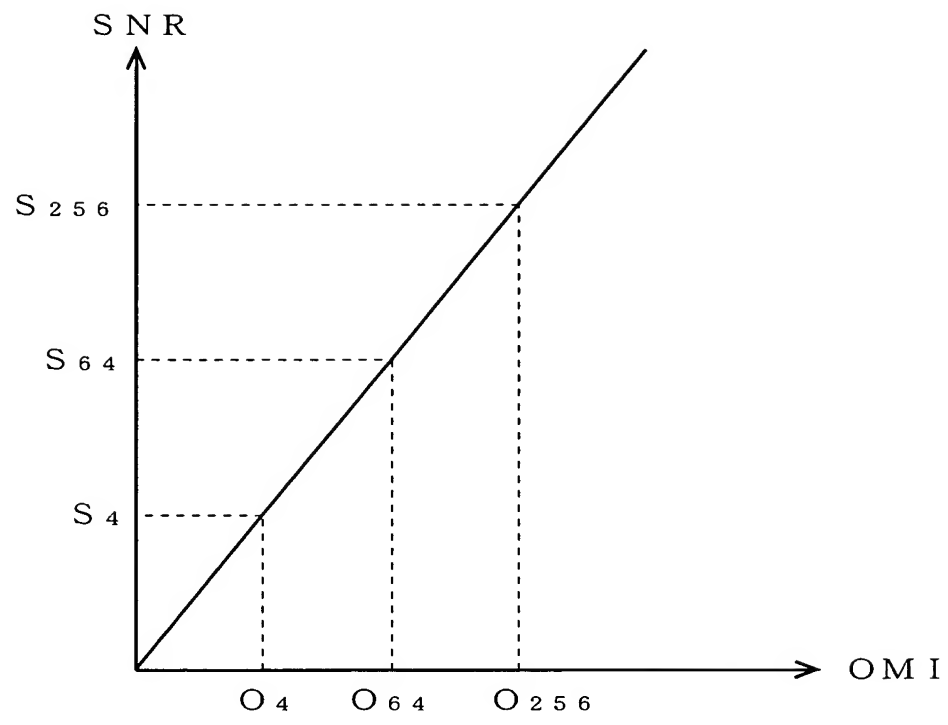
F I G . 4



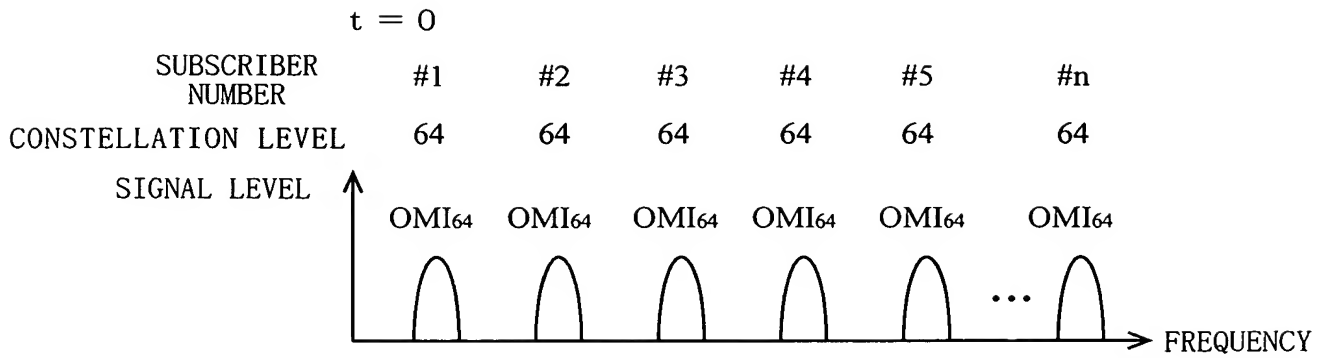
F I G . 5

SUBSCRIBER NUMBER	GROUP	M (CONSTELLATION LEVEL)	SIGNAL LEVEL
1	2	1 6 Q A M	L 2
2	1	4 Q A M	L 1
3	3	3 2 Q A M	L 3
⋮	⋮	⋮	⋮
n	1	4 Q A M	L 1

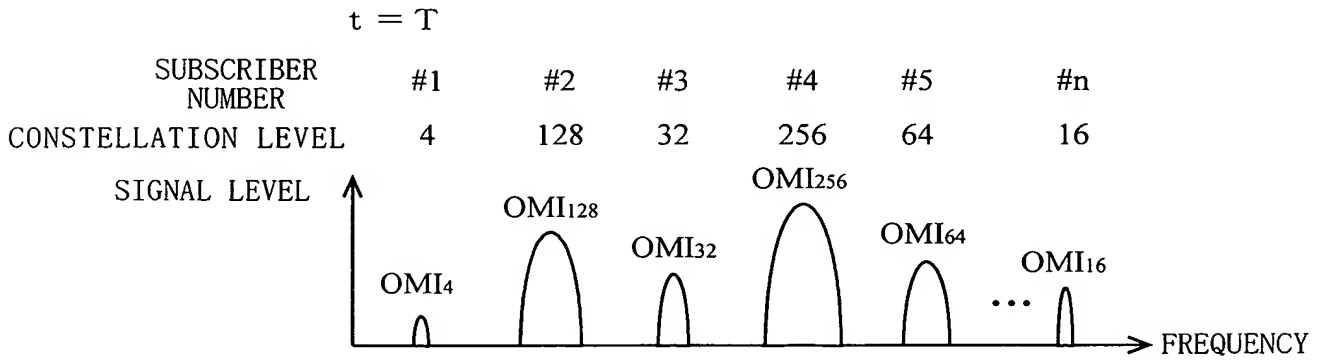
F I G. 6



F I G . 7 A



F I G . 7 B



F I G . 7 C

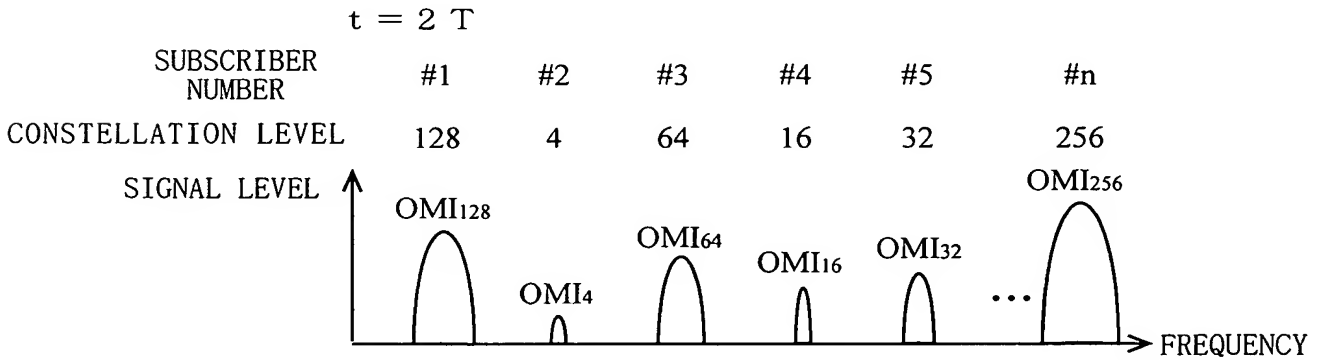
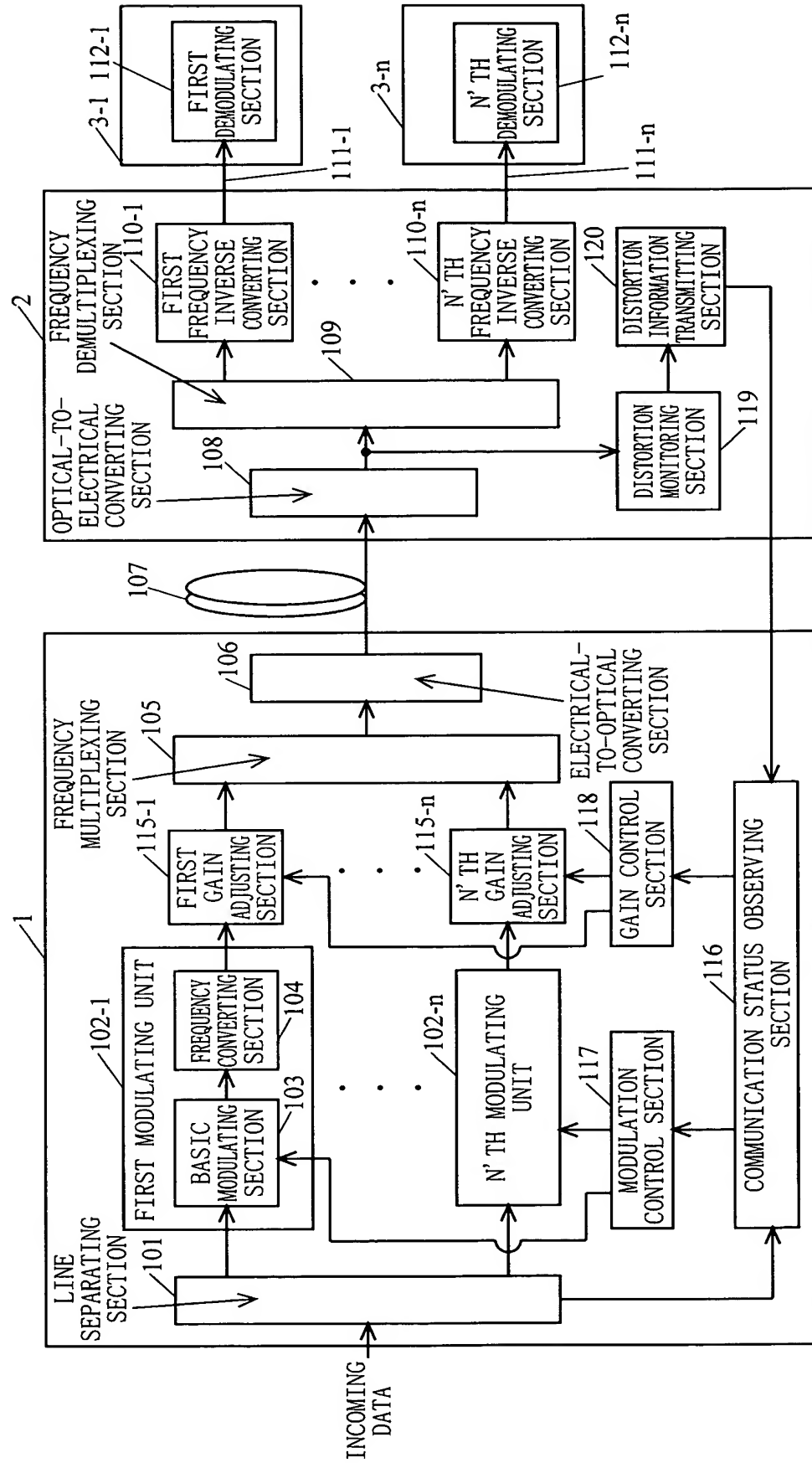
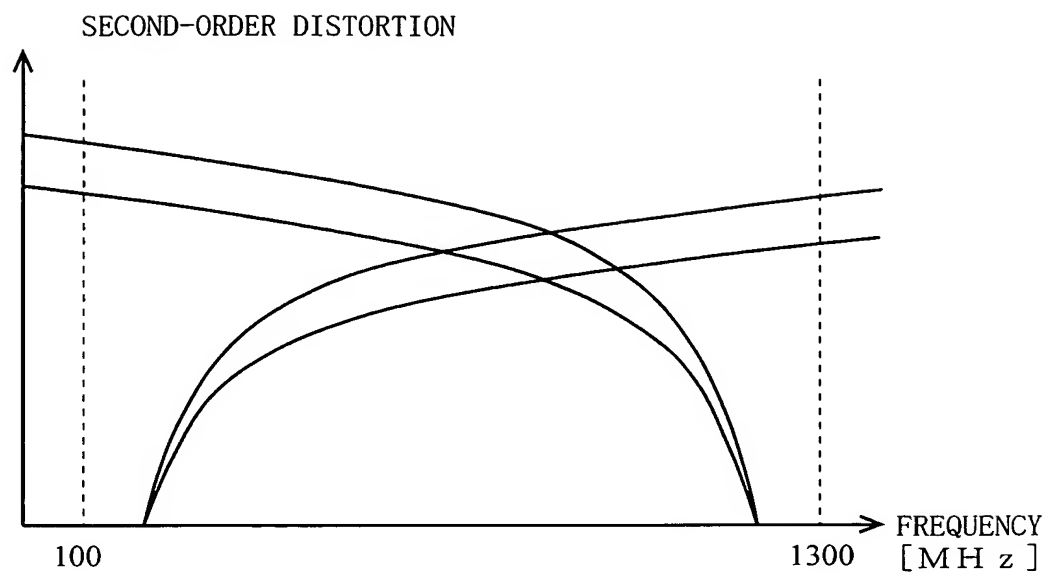


FIG. 8



F I G . 9 A



F I G . 9 B

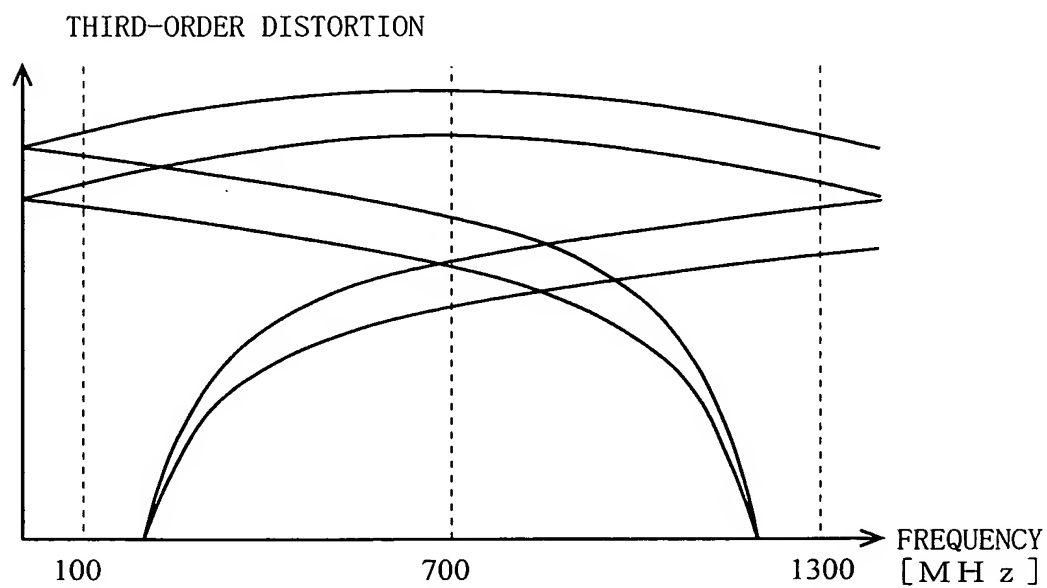




FIG. 10

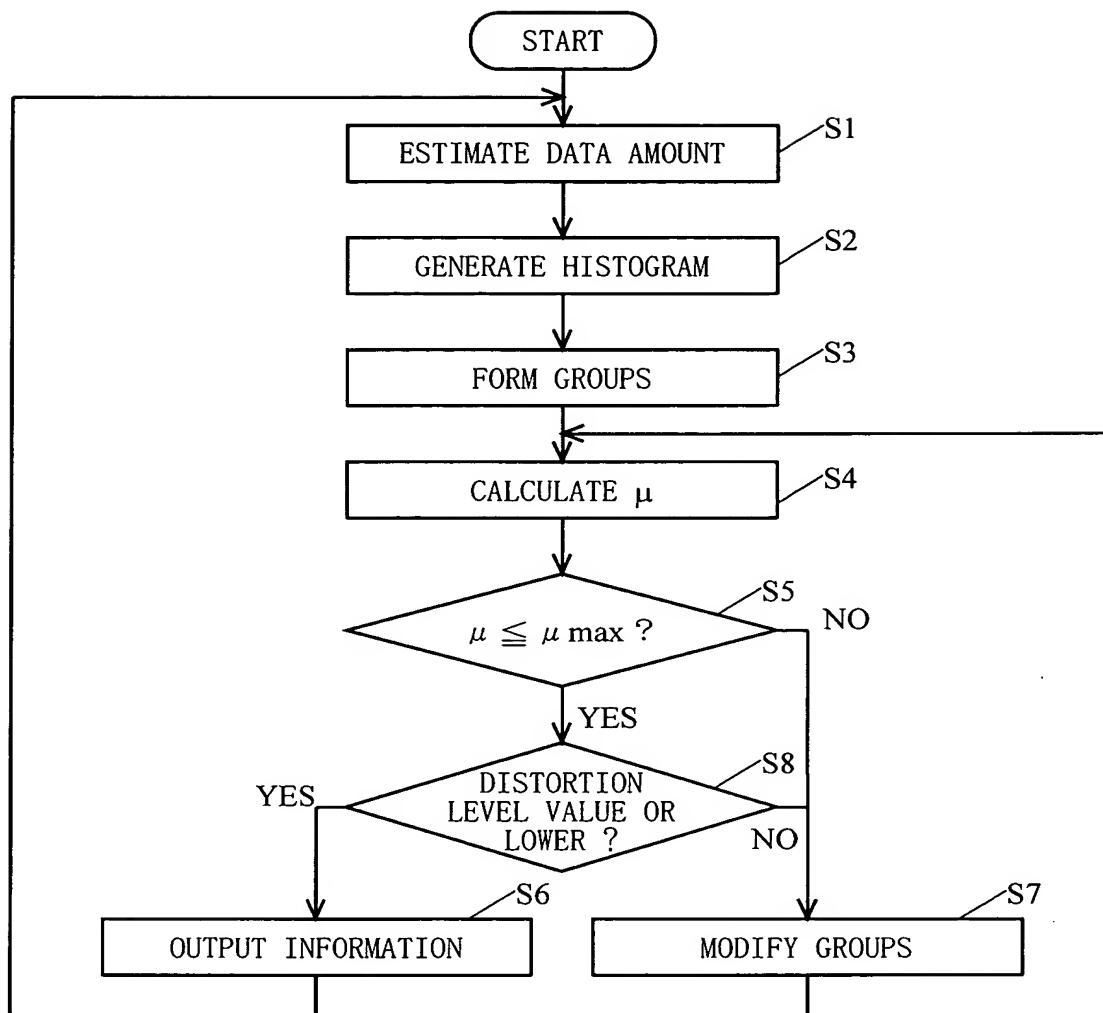


FIG. 11

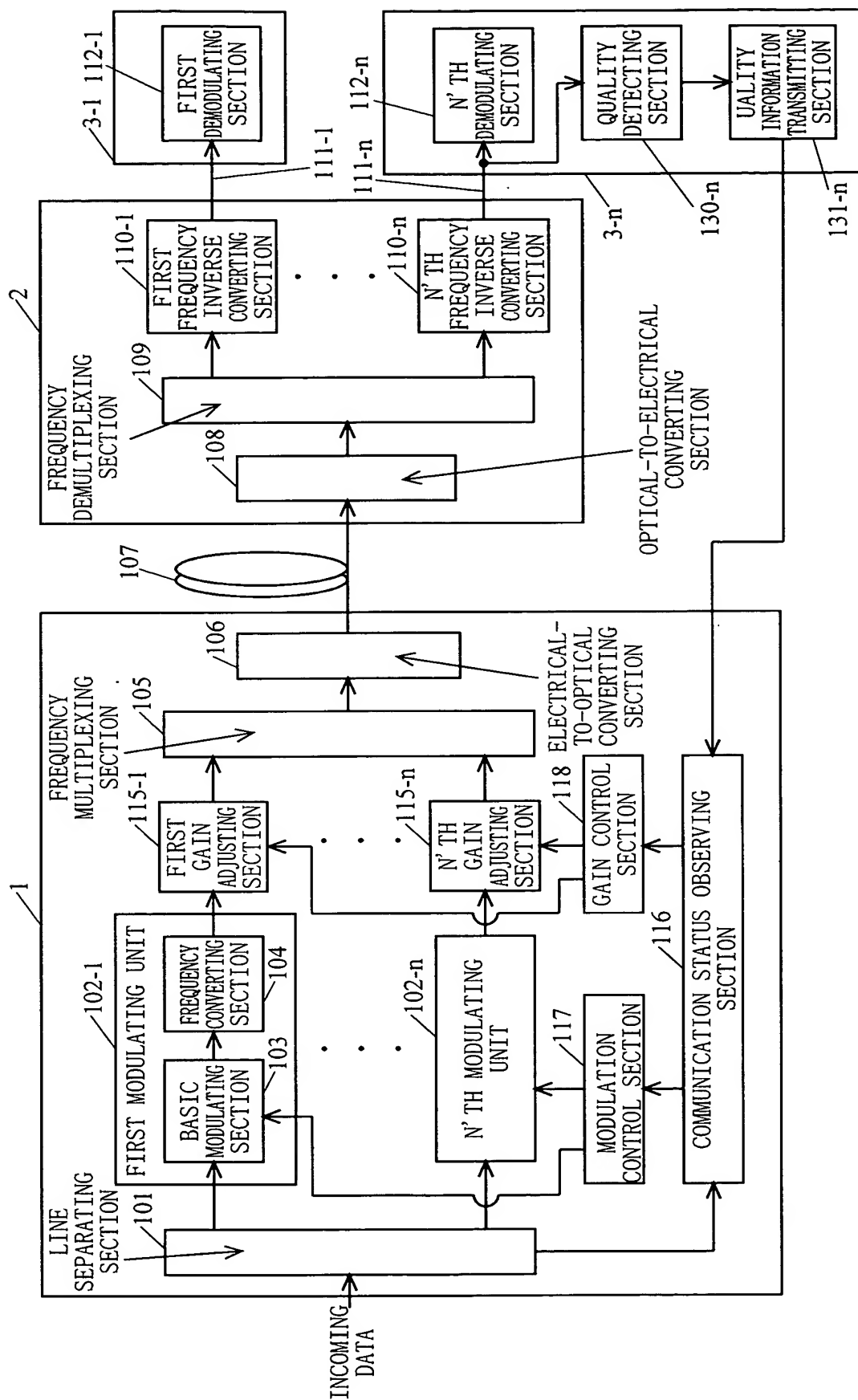


FIG. 12

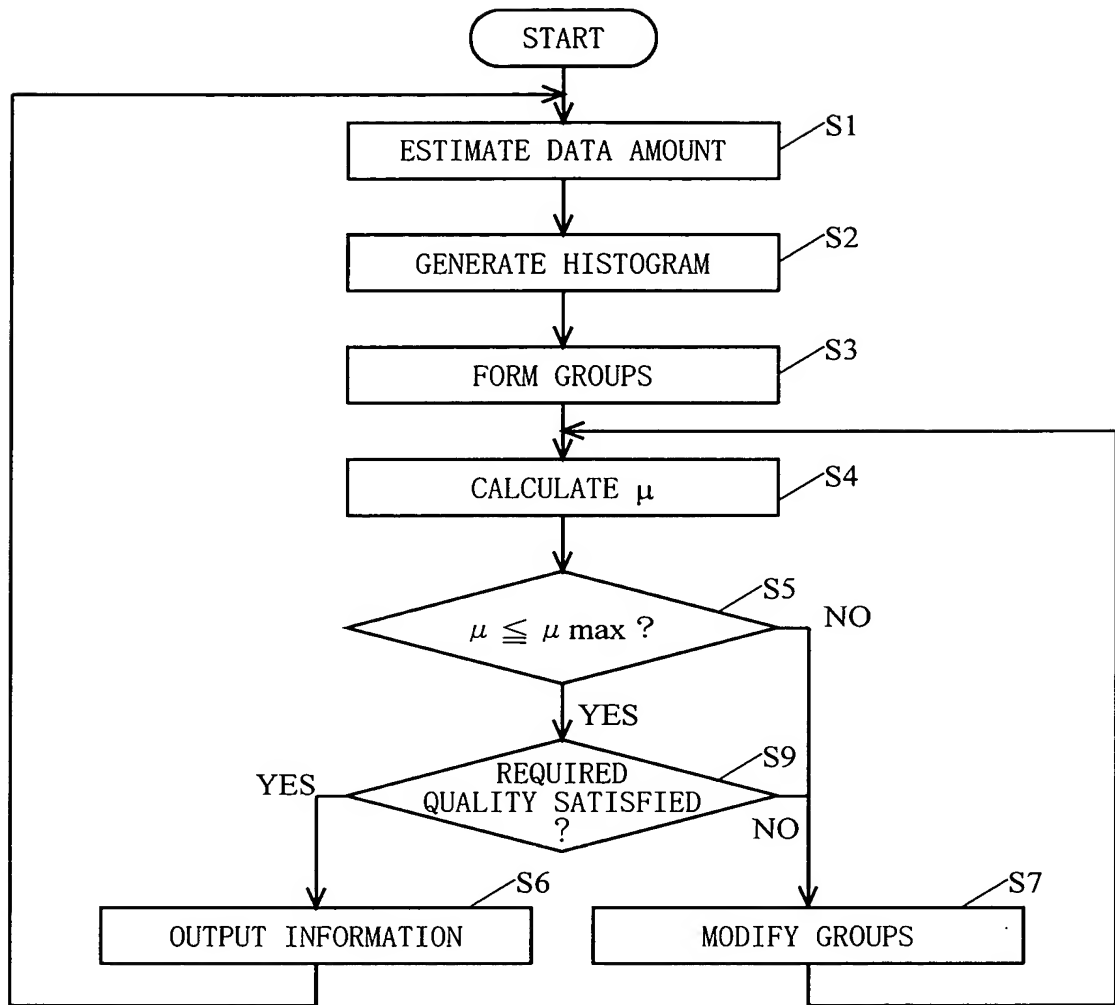


FIG. 13 PRIOR ART

